

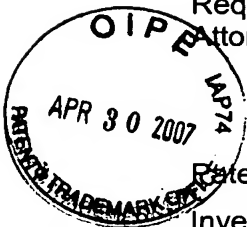
10/529796

CONE

Patent No. 7,168,300

Request for Cert. of Correction dated April 25, 2007

Attorney Docket No. 1217-050937



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No. : 7,168,300 Confirmation No. 5335
 Inventors : Kawanishi et al.
 Issued : January 30, 2007
 Title : Gasoline Identification System And
 Method For Identifying Gasoline Type
 Examiner : Eric Solis
 Customer No. : 28289

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT
FOR PTO MISTAKE (37 C.F.R. 1.322(a))

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

ATTENTION: Decision and Certificate of Correction Branch
 Patent Issue Division

Certificate
 MAY 02 2007
 of Correction

Sir:

In accordance with 35 U.S.C. §254, we attach hereto Form PTO/SB/44 and a copy of proof of PTO errors and request that a Certificate of Correction be issued in the above-identified patent. The following errors appear in the patent as printed:

Column 7, Line 63, "of surfaces" should read -- of the surfaces --
 (See the Amendment After Allowance filed 09/20/2006, page 3.)

Column 11, Lines 40-41
 "BEST MODE FOR CARRYING OUT DETAILED DESCRIPTION OF THE INVENTION"
 should read -- DETAILED DESCRIPTION OF THE INVENTION --
 (See the Preliminary Amendment filed 03/30/2005, page 2.)

Column 12, Line 36, "into direct in contact" should read -- into direct contact --
 (See the Amendment After Allowance filed 09/20/2006, page 4.)

Column 28, Line 23, Claim 32, "according to claim 15" should read
 -- according to claim 18 --
 (See the Amendment After Allowance filed 09/20/2006, page 10, Claim 30, line 5.
 Claim 30 issued as Claim 32 and Claim 15 issued as Claim 18.)

Respectfully submitted,

THE WEBB LAW FIRM

By

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MAY - 7 2007

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 1 of 1

PATENT NO. : 7,168,300
APPLICATION NO. : 10/529,796
ISSUE DATE : January 30, 2007
INVENTORS : Kawanishi et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 7, Line 63, "of surfaces" should read -- of the surfaces --

Column 11, Lines 40-41

"BEST MODE FOR CARRYING OUT DETAILED DESCRIPTION OF THE INVENTION"
should read
-- DETAILED DESCRIPTION OF THE INVENTION --

Column 12, Line 36, "into direct in contact" should read -- into direct contact --

Column 28, Line 23, Claim 32, "according to claim 15" should read
-- according to claim 18 --

MAILING ADDRESS OF SENDER: The Webb Law Firm
700 Koppers Building
436 Seventh Avenue
Pittsburgh, PA 15219

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-2450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select Option 2.

MAY - 7 2007

Notice of Allowance dated 09/07/2006

Appl. No. 10/529,796

Amdt. dated 09/20/2006

Attorney Docket No. 1217-050937

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/529,796 Confirmation No. 5335
Applicants : Yodhiski KAWANISHI et al.
Filed : March 30, 2005
Title : Gasoline Identification System and Method for Identifying
Gasoline Type
Art Unit : 3747
Examiner : Erick R. Solis
Customer No. : 28289

MAIL STOP ISSUE FEE

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

AMENDMENT AFTER ALLOWANCE UNDER 37 C.F.R. §1.312(a)

Sir:

Prior to issuance, please amend the above-identified application as follows:

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on page 5 of this paper.

Amendments to the Drawings begin on page 12 of this paper and include an attached replacement sheet and an annotated copy of the replacement sheet showing changes.

Remarks begin on page 13 of this paper.

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on September 20, 2006.

Diane Paull

(Name of Person Mailing Paper)

Signature

09/20/2006
Date

{W0256960.1}

MAY - 7 2007

resistance of the temperature detector. In this method, the electricity is periodically carried to the heating ~~member~~ member. --

Please replace the paragraph beginning at page 6, line 19, with the following rewritten paragraph:

-- As described in "Electrostatic Capacitance Type Alcohol Concentration Sensor" (see Norio Mima Sanma, Ikuo Hayashi, Ichiro Haseya Hosotani, The Society of Automotive Engineers of Japan, Annual Congress Preliminary Printing Collection 936, 1993-10, pages 257 to 260) (which will be hereinafter referred to as "Non-Patent Document 1"), conventionally, an electrostatic capacitance type alcohol concentration sensor has been proposed. --

Please replace the paragraph beginning at page 9, line 12, with the following rewritten paragraph:

-- In consideration of such circumstances, it is an object of the present invention to provide an apparatus and method for identifying the liquid type of a ~~gasoline~~ gasoline which can identify the type of a gasoline accurately and rapidly by detecting an alcohol concentration in each of gasolines having different distillation characteristics and various compositions and correcting liquid type identification data on the gasolines based on a result. --

Please replace the paragraph beginning at page 14, line 24, with the following rewritten paragraph:

-- By such a structure, in accordance with the calibration curve data to be the correlation of the voltage output difference with the temperature for the predetermined reference gasoline which is prestored, the type of the gasoline is identified with the voltage output difference V0 obtained for the identified ~~gasoline~~ gasoline. ~~Therefore,~~ Therefore, it is possible to identify the type of the gasoline more accurately and rapidly. --

Please replace the paragraph beginning at page 19, line 12, with the following rewritten paragraph:

-- Moreover, the present invention is characterized in that the electrode wiring pattern is obtained by selectively etching a conductive metallic foil laminated on one of the surfaces of the base material resin film, thereby forming a wiring pattern taking a ~~predetermines~~ predetermined shape. --

Notice of Allowance dated 09/07/2006

Appl. No. 10/529,796

Amdt. dated 09/20/2006

Attorney Docket No. 1217-050937

Please replace the paragraph beginning at page 21, line 12, with the following rewritten paragraph:

— Moreover, the present invention is characterized in that the electrode wiring pattern is obtained by selectively etching a conductive metallic thin film formed on one of surfaces of the substrate by sputtering, thereby forming a wiring pattern taking a predetermines predetermined shape. —

Please replace the paragraph beginning at page 31, line 18, with the following rewritten paragraph:

— As shown in Fig. 6, moreover, the liquid type identifying sensor heater 25 includes a lead electrode 32 and a thin film chip portion 34. Moreover, the liquid type identifying sensor heater 25 is provided with a metallic fin 36 which is protruded into the gasoline liquid type identifying chamber 20 through the opening portion 22 for the liquid type identifying sensor from the mold resin 30 and which ~~is directly come in~~ comes into direct contact with the identified gasoline. The lead electrode 32, the thin film chip portion 34 and the fine 36 are mutually connected electrically through a bonding wire 38. —

25. (Previously Presented) The method for identifying a liquid type of a gasoline according to claim 15, wherein the alcohol concentration detecting sensor comprises a substrate, an electrode wiring pattern formed on the substrate, and an insulating coat covering a surface of the electrode wiring pattern.

26. (Previously Presented) The method for identifying a liquid type of a gasoline according to claim 25, wherein the electrode wiring pattern is obtained by selectively etching a conductive metallic thin film formed on one of surfaces of the substrate by sputtering, thereby forming a wiring pattern taking a predetermined shape.

27. (Previously Presented) The method for identifying a liquid type of a gasoline according to claim 25, wherein the insulating coat is formed by chemical vapor deposition (CVD).

28. (Previously Presented) The method for identifying a liquid type of a gasoline according to claim 22, wherein the electrode wiring pattern has such a shape that positive and negative electrodes which are comb-toothed are alternately intricate.

29. (Previously Presented) An apparatus for identifying a liquid type of a gasoline of a car,

wherein the apparatus for identifying a liquid type of a gasoline according to claim 1 is provided in a gasoline tank or on an upstream side or a downstream side of a gasoline pump.

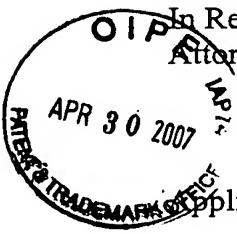
30. (Previously Presented) A method for identifying a liquid type of a gasoline of a car, comprising the step of:

identifying a type of a gasoline in a gasoline tank or on an upstream side or a downstream side of a gasoline pump by using the method for identifying a liquid type of a gasoline according to claim 15.

31. (Previously Presented) An apparatus for reducing an exhaust gas of a car, comprising:

Application No. Not Yet Assigned
Paper Dated March 30, 2005
In Reply to USPTO Correspondence of N/A
Attorney Docket No. 1217-050937

Customer No. 28289



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : Not Yet Assigned
Applicant : Toshiaki KAWANISHI et al.
Filed : Concurrently Herewith
Title : GASOLINE IDENTIFICATION SYSTEM AND
METHOD FOR IDENTIFYING GASOLINE TYPE
International Application : No. PCT/JP2003/012505
International Filing Date : 30 September 2003
Priority Date Claimed : 30 September 2002

MAIL STOP PCT
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

PRELIMINARY AMENDMENT

Sir:

Prior to initial examination, please amend the above-identified patent application as follows:

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on page 3 of this paper.

Amendments to the Abstract are reflected in the listing of claims which begins on page 10 of this paper.

Amendments to the Drawings begin on page 11 of this paper and include an attached replacement sheet.

Remarks begin on page 12 of this paper.

An **Appendix** including amended drawing figure is attached following page 12 of this paper.

MAY 1 - 7 2007

AMENDMENTS TO THE SPECIFICATION

Please replace the title with the following rewritten title:

-- GASOLINE ~~THE~~ IDENTIFICATION SYSTEM AND METHOD FOR IDENTIFYING
GASOLINE TYPE --

Please replace the section heading beginning at page 1, line 4, with the
following rewritten section headings:

-- ~~TECHNICAL FIELD~~ BACKGROUND OF THE INVENTION

Field of the Invention --

Please replace the section heading beginning at page 1, line 8, with the
following rewritten section heading:

-- ~~BACKGROUND ART~~ Description of Related Art --

Please replace the section heading beginning at page 10, line 16, with the
following rewritten section heading:

-- ~~DISCLOSURE SUMMARY~~ OF THE INVENTION --

Please replace the section heading beginning at page 29, line 15, with the
following rewritten section heading:

-- ~~BEST MODE FOR CARRYING OUT~~ DETAILED DESCRIPTION OF
THE INVENTION --

Please delete the section heading beginning at page 56, line 22.